Serial No.: 09/774,191

Filed: January 29, 2001

Page : 2 of 18

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer program product, stored on a machine-readable

medium, comprising instructions operable to cause a programmable processor to:

search a document for one or more unambiguous words, where unambiguous words are

words that do not contain an ambiguous typesetting placeholder;

automatically add the one or more unambiguous words to a dictionary;

search the a document for one or more ambiguous words, where ambiguous words are

words that do contain an words that are ambiguous because they contain one or more ambiguous

typesetting placeholders; and to

use the a dictionary to resolve the one or more ambiguous words by resolving the one or

more ambiguous typesetting placeholders occurring in each ambiguous word.

2. (Currently Amended) The computer program product of claim 4 27, wherein the

instruction to automatically add the one or more non-ambiguous words to a the dictionary

comprises instructions to add the one or more <u>non-ambiguous</u> words to an initially empty

dictionary.

Serial No.: 09/774,191

Page

Filed : January 29, 2001

: 3 of 18

(Currently Amended) The computer program product of claim 1 27, wherein the 3.

instruction to automatically add the one or more non-ambiguous words to a the dictionary

comprises instructions to add the one or more non-ambiguous words to a dictionary containing

one or more unambiguous words located in one or more documents that have been previously

processed by the computer program.

(Currently Amended) The computer program product of claim 1, wherein the instruction 4.

to use the dictionary to resolve the one or more ambiguous words by resolving the one or more

ambiguous typesetting placeholders in each ambiguous word, comprises instructions operable to

cause a programmable processor to:

create a set of candidate solutions for the each ambiguous word, wherein each eandidate

solution in the set of candidate solutions comprises one or more character strings created by

uniquely resolving the one or more ambiguous typesetting placeholders in the ambiguous word,

and wherein the set of candidate solutions comprises all possible combinations of resolutions of

the one or more typesetting placeholders;

search the dictionary for the one or more character strings in each candidate solution in

the set of candidate solutions; and

use the dictionary search result to resolve the one or more ambiguous typesetting

placeholders in the each ambiguous word.

Serial No.: 09/774,191 Filed: January 29, 2001

Page : 4 of 18

5. (Original) The computer program product of claim 4, wherein the instruction to create a set of candidate solutions for an ambiguous word having N binary-resolvable typesetting placeholder ambiguities, comprises instructions to create a set of 2^N candidate solutions.

- 6. (Currently Amended) The computer program product of claim 4, wherein the instruction to use the dictionary search result to resolve the one or more ambiguous typesetting placeholders in the ambiguous word, further comprises instructions to resolve the one or more ambiguous typesetting placeholders in conformity with the one or more resolutions used to create a one member of the set of candidate solutions when the dictionary search matches only that member of the set of candidate solutions.
- 7. (Original) The computer program product of claim 4, wherein the instruction to use the dictionary search result to resolve the one or more ambiguous typesetting placeholders in the ambiguous word, further comprises instructions to prompt a user to manually resolve the one or more ambiguous typesetting placeholders in the ambiguous word when the dictionary search fails to match any member of the set of candidate solutions.
- 8. (Original) The computer program product of claim 4, wherein the instruction to use the dictionary search result to resolve the one or more ambiguous typesetting placeholders in the ambiguous word, further comprises instructions to prompt a user to manually resolve the one or

Serial No.: 09/774,191 Filed: January 29, 2001

Page : 5 of 18

more ambiguous typesetting placeholders in the ambiguous word when the dictionary search

matches a plurality of members of the set of candidate solutions.

9. (Currently Amended) The computer program product of claim 4, wherein the instruction

to use the dictionary search result to resolve the one or more ambiguous typesetting placeholders

in the ambiguous word, further comprises instructions to resolve the one or more ambiguous

typesetting placeholders in conformity with the one or more resolutions used to create the a

member of the set of candidate solutions having the largest word when the dictionary search

matches a plurality of members of the set of candidate solutions.

10. (Currently Amended) The computer program product of claim 9, wherein the instruction

to use the dictionary search result to resolve the one or more ambiguous typesetting placeholders

in the ambiguous word, further comprises instructions to resolve the one or more ambiguous

typesetting placeholders in conformity with the one or more resolutions used to create the a

member of the set of candidate solutions having the fewest words when the dictionary search

matches a plurality of members of the set of candidate solutions.

11. (Currently Amended) The computer program product of claim 4, wherein the instruction

to use the dictionary search result to resolve the one or more ambiguous typesetting placeholders

in the ambiguous word, further comprises instructions to resolve the one or more ambiguous

typesetting placeholders in conformity with the one or more resolutions used to create the a

Serial No.: 09/774,191 : January 29, 2001

Filed Page

: 6 of 18

member of the set of candidate solutions having the smallest word when the dictionary search

matches a plurality of members of the set of candidate solutions.

12. (Currently Amended) The computer program product of claim 11, wherein the instruction

to use the dictionary search result to resolve the one or more ambiguous typesetting placeholders

in the ambiguous word, further comprises instructions to resolve the one or more ambiguous

typesetting placeholders in conformity with the one or more resolutions used to create the a

member of the set of candidate solutions having the most words when the dictionary search

matches a plurality of members of the set of candidate solutions.

13. (Currently Amended) The computer program product of claim [4] 1, wherein the

ambiguous typesetting placeholders comprise hyphens resolvable as hard hyphens or soft

hyphens.

14. (Currently Amended) The computer program product of claim 44 13, further comprising

instructions operable to cause a programmable processor to output the character code for the

correct ambiguity resolution.

15. (Currently Amended) The computer program product of claim [4] 1, wherein the

ambiguous typesetting placeholders comprise white space between characters resolvable as blank

space or kerning space.

Serial No.: 09/774,191 Filed: January 29, 2001

Page : 7 of 18

16. (Currently Amended) The computer program product of claim 16 15, further comprising instructions operable to cause a programmable processor to add space to an ambiguous white

space resolved to be blank space and to remove space from an ambiguous white space resolved

to be kerning space.

17. (Currently Amended) A computer program product, stored on a machine-readable

medium, comprising instructions operable to cause a programmable processor to:

search the document for one or more unambiguous words, where unambiguous words are

words that do not contain an ambiguous typesetting placeholder;

automatically add the one or more unambiguous words to a dictionary;

search the a document for an ambiguous word, where an ambiguous word is a word that

is ambiguous because it does contains an ambiguous typesetting placeholder;

create a set of candidate solutions for the ambiguous word, wherein each candidate

solution in the set of candidate solutions comprises one or more character strings created by

uniquely resolving the one or more ambiguous typesetting placeholders in the ambiguous word,

and wherein the set of candidate solutions comprises all possible combinations of resolutions of

the one or more typesetting placeholders;

search the a dictionary for the one or more character strings in each candidate solution in

the set of candidate solutions of the ambiguous word; and, based on the dictionary search results,

<u>to:</u>

Attorney's Docket No.: 07844-437001 / P404 Applicant: Richard L. Sites

Serial No.: 09/774,191

: January 29, 2001

Filed

Page '

: 8 of 18

resolve the one or more ambiguous typesetting placeholders in conformity with the one or more resolutions used to create a member of the set of candidate solutions when the

dictionary search matches only that member of the set of candidate solutions;

prompt a user to manually resolve the one or more ambiguous typesetting

placeholders when the dictionary search fails to match any member of the set of candidate

solutions; and to or

prompt a user to manually resolve the one or more ambiguous typesetting

placeholders when the dictionary search matches a plurality of members of the set of candidate

solutions.

(Currently Amended) A method for resolving an ambiguous word in an electronic 18.

document, comprising:

searching the document for unambiguous words, where unambiguous words are words

that do not contain one or more ambiguous typesetting placeholders;

automatically adding the unambiguous words to a dictionary;

searching the a document for an ambiguous word, where an ambiguous word is a word

that is ambiguous because it contains one or more ambiguous typesetting placeholders; and

using the a dictionary to resolve the ambiguous word by resolving the one or more

ambiguous typesetting placeholders occurring in the word.

Serial No.: 09/774,191

Filed : January 29, 2001 Page : 9 of 18

19. (Currently Amended) The method of claim 4 18, wherein the step of using the dictionary

to resolve the ambiguous word by resolving the one or more ambiguous typesetting placeholders,

further comprises:

creating a set of candidate solutions for each the ambiguous word, wherein each

eandidate solution in the set of candidate solutions comprises one or more character strings

created by uniquely resolving the one or more ambiguous typesetting placeholders in the

ambiguous word, and wherein the set of candidate solutions comprises all possible typesetting

placeholder resolution combinations;

searching the dictionary for the one or more character strings in each candidate solution

in the set of candidate solutions; and

using the dictionary search to resolve the one or more ambiguous typesetting

placeholders in the ambiguous word.

20. (Currently Amended) The method of claim 20 19, further comprising resolving the one or

more ambiguous typesetting placeholders in conformity with the one or more resolutions used to

ereate a member of the set of candidate solutions when the dictionary search only matches that

member of the set of candidate solutions.

21. (Currently Amended) The method of claim 20 19, further comprising prompting a user to

manually resolve the one or more ambiguous typesetting placeholders when the dictionary search

fails to match any member of the set of candidate solutions.

Serial No.: 09/774,191

Filed : January 29, 2001 Page : 10 of 18

22. (Currently Amended) The method of claim 20 19, further comprising prompting a user to

manually resolve the one or more ambiguous typesetting placeholders when the dictionary search

matches a plurality of members of the set of candidate solutions.

23. (Currently Amended) The method of claim 20 19, further comprising resolving the one or

more ambiguous typesetting placeholders in conformity with the one or more resolutions used to

ereate the a member of the set of candidate solutions having the largest word when the dictionary

search matches a plurality of members of the set of candidate solutions.

24. (Currently Amended) The method of claim 20 19, further comprising resolving the one or

more ambiguous typesetting placeholders in conformity with the one or more resolutions used to

ereate the a member of the set of candidate solution having the smallest word when the

dictionary search matches a plurality of members of the set of candidate solutions.

25. (Currently Amended) The method of claim 20 18, wherein the ambiguous typesetting

placeholders comprise ambiguous hyphens resolvable into hard hyphens or soft hyphens, further

comprising outputting the character code for the correct ambiguity resolution.

26. (Currently Amended) The method of claim 20 18, wherein the ambiguous typesetting

placeholder comprises an ambiguous white space between characters resolvable to a blank space

Serial No.: 09/774,191 Filed: January 29, 2001

Page : 11 of 18

or a kerning space, further comprising adding space to an ambiguous white space resolved to be blank space and removing space from an ambiguous white space resolved to be kerning space.

27. (New) The computer program of claim 1, further comprising instructions operable to cause a programmable processor to:

identify one or more words in a document that are not ambiguous because they do not contain any ambiguous typesetting placeholders; and to

automatically add the one or more words that are not ambiguous to the dictionary.